



BAR01423P00050US
E100380US
PATENT

AMENDMENTS TO THE CLAIMS:

1. (Original) Dowel (1) for the assembly of an insulating plate (2) on a substructure (3) having a pressing plate (13) and a dowel sleeve (15) attached to said pressing plate (13) for taking up an expansion element (11) having an expansion element head (12), wherein the dowel sleeve (15) comprises an expansion zone (18),

characterized by

cutting devices (17) at the lower side of pressing plate (13) at the circumference of said pressing plate for cutting in the insulating plate (2) during pulling in of pressing plate (13) into the insulating plate (2) under simultaneous compression of said insulating plate (2).
2. (Original) Dowel according to claim 1, characterized by a pressing plate (13) having a pressing plate shaft (14) attached therewith, wherein the pressing plate shaft (14) and the dowel sleeve (15) can be axially shifted against each other.
3. (Canceled)

4. (Previously Amended) Dowel according to claim 1 characterized in that the pressing plate (13) includes an engagement device, in which the expansion element (11) can engage.
5. (Currently Amended) Dowel according to one of the preceding claims, characterized in that the dowel sleeve (15) comprises an anti-twist device against twisting of the dowel sleeve (15) ~~within the bore-hole (4)~~.
6. (Withdrawn) Method for the assembly of an insulating plate (2) on a substructure (3) by means of a dowel (1) having a pressing plate (13) and a dowel sleeve (15) attached to said pressing plate (13) for taking up an expansion element (11) having an expansion element head (12), wherein the dowel sleeve (15) comprises an expansion zone (18), comprising at least the following steps:
- a) drilling of a bore-hole (4) through the insulating plate (2) into the substructure (3),
 - b) inserting the dowel (1) and the expansion element (11) into the bore-hole (4),
 - c) driving in the expansion element (11) into the pressing plate (13) and the dowel sleeve (15) and simultaneously
 - d) pulling in the pressing plate (13) into the insulating plate (2) under compression of the insulating plate (2) and simultaneously cutting

in the insulating plate (2) at the circumference of the pressing plate (13) by means of cutting devices (17).

7. (Withdrawn) Method according to claim 6, characterized by a complete pulling in of the pressing plate (13) into the insulating plate (2) in step d) and the further step of:
 - e) putting on a covering (21) onto the completely sunk-in pressing plate (13).
8. (Withdrawn) Method according to claim 6 or 7, characterized in that the cutting devices (17) are arranged at the lower side of the pressing plate (13).
9. (Withdrawn) Method according to claim 6 or 7, characterized in that the cutting devices (17) are arranged on a device (30) for driving in the expansion element (11).
10. (Withdrawn) Device (30) for driving in an expansion element (11) into a dowel (1) having a pressing plate (13) for fixing an insulating plate (2) on a substructure (3), wherein the device (30) comprises a drive (32, 33) for the engagement into the expansion element (11),

characterized by

a depth stop (31) having cutting devices (17) for cutting in the insulating plate (2) along the circumference of the pressing plate (13).

11. (Withdrawn) Method for the assembly of an insulating plate (2) on a substructure (3) by means of a dowel (1) having a pressing plate (13), said pressing plate (13) having an outer radius R and a dowel sleeve (15) attached to said pressing plate (13) for taking up an expansion element (11) having an expansion element head (12) wherein the dowel sleeve (15) comprises an expansion zone (18), the method comprising at least the following steps:
- a) drilling of a bore-hole (4) through the insulating plate (2) into the substructure (3)
 - b) cutting in a circle with at least the radius R into the insulating plate (2) by means of cutting devices (42),
 - c) inserting the dowel (1) and the expansion element (11) into the bore-hole (4),
 - d) driving in the expansion element (11) into the pressing plate (13) and the dowel sleeve (15) and simultaneously
 - e) pulling in the pressing plate (13) into the insulating plate (2) under compression of the insulating plate (2).

12. (Withdrawn) Method according to claim 11, characterized in that step b) is carried out previous to step a).
13. (Withdrawn) Method according to claim 11, characterized in that the steps a.) and b.) are carried out simultaneously.
14. (Withdrawn) Method according one of the claims 11 to 13, characterized by a complete pulling in of the pressing plate (13) into the insulating plate (2) and the further step of:
 - f) putting on a covering (21) onto the completely sunk-in pressing plate (13).
15. (Withdrawn) Method according to one of the preceding claims 11, 12, or 13 characterized in that the cutting devices (42) comprise a depth stop (41).
16. (Withdrawn) Device (40) for drilling a bore-hole (4) through an insulating plate (2) into a substructure (3) having a shaft (44') for inserting a drill adapter, characterized in that

the shaft (44') is formed in such a way that cutting devices (42) for cutting in a circle into the insulating plate (2) can be arranged at said shaft (44').

17. (Withdrawn) Device according to claim 16, characterized in that the cutting devices (42) comprise a depth stop (41).
18. (Withdrawn) Device (40) for drilling a bore-hole (4) through an insulating plate (2) into a substructure (3) having a drill shaft (44), characterized in that cutting devices (42) for cutting in a circle into the insulating plate (2) can be arranged at said drill shaft (44).
19. (Withdrawn) Device according to claim 18, characterized in that the cutting devices (42) comprise a depth stop (41).
20. (Withdrawn) Cutting devices (42) for cutting in a circle into an insulating plate (2),

characterized in that

they are formed in such a way that they can be mounted on a device (40) for drilling a bore-hole (4) through an insulating plate (2) into a substructure (3).
21. (Withdrawn) Cutting devices according to claim 20, characterized in that the cutting devices (42) comprise a depth stop (41).

22. (Previously Presented) Dowel according to claim 1, characterized in that the pressing plate (13) comprises a recess (19) for the engagement of a drive (32, 33).
23. (Previously Presented) Dowel according to claim 2, characterized in that the pressing plate (13) comprises a recess (19) for the engagement of a drive (32, 33).
24. (Previously Presented) Dowel according to claim 22, characterized in that the pressing plate (13) includes an engagement device, in which the expansion element (11) can engage.
25. (Previously Presented) Dowel according to claim 23, characterized in that the pressing plate (13) includes an engagement device, in which the expansion element (11) can engage.
26. (Currently Amended) Dowel according to claims 1, 2, 22, 23, 24 or 25, characterized in that the dowel sleeve (15) comprises an anti-twist device against twisting of the dowel sleeve (15) ~~within the bore hole (4).~~

27. (Withdrawn) Method according to claim 14 characterized in that the cutting devices (42) comprise a depth stop (41).